UPGRADED L-39

Modern Trainer & Light Attack Aircraft

Best Value Solution !

IAI LAHAV DIVISION
Military Aircraft Group
ISRAEL AIRCRAFT INDUSTRIES LTD

ИМКБ ПРОГРЕСС
им. А.Г. Ивченко

UPGRAD

Modern Trainer & L

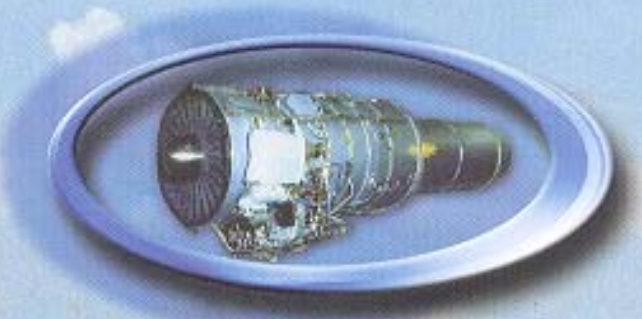
The L-39 is among the world's best jet trainer aircraft. It features excellent flight characteristics, stability and safety, low cost of operation and effective light attack capabilities.

Israel Aircraft Industries Ltd. (IAI) and the Ukraine's AVIRS have teamed up to upgrade the L-39 aircraft. The perfect match between AVIRS' expertise in platform & engine production and IAI's proven experience in avionics integration and modernization has produced an advanced lead-in trainer, for Eastern and Western fighter aircraft, as well as light attack missions.

AI -25TLSH Engine

The L-39's highly reliable engine is operational in 37 countries and has accumulated over 6.3 million flight hours. The upgraded AI-25TLSH version incorporates the following improved features:

- Increased thrust: 1,850 kgf.
- Acceleration time reduced to 6 sec.
- Low Life Cycle Cost (LCC)



Avionics Upgrade

A reliable platform with decades of remaining service life, the L-39's performance & maintainability have been further enhanced. Equipped with the Lahav Division's advanced avionics package, the Upgraded L-39 is now ready to meet today's most demanding training requirements.

The L-39 avionics upgrade package includes:

- "Glass Cockpit"
  - Multi Function Color Display (MFCD)
  - Head Up Display (HUD)
  - HOTAS operation
- Mission & Display Processor (MDP)
- Inertial Navigation System (INS/GPS)
- Air Data Computer (ADC)
- Virtual Training System (VTS)
- Data Transfer System (DTS)
- Video Tape Recorder (VTR)
- Recording & Debriefing System

ED L-39

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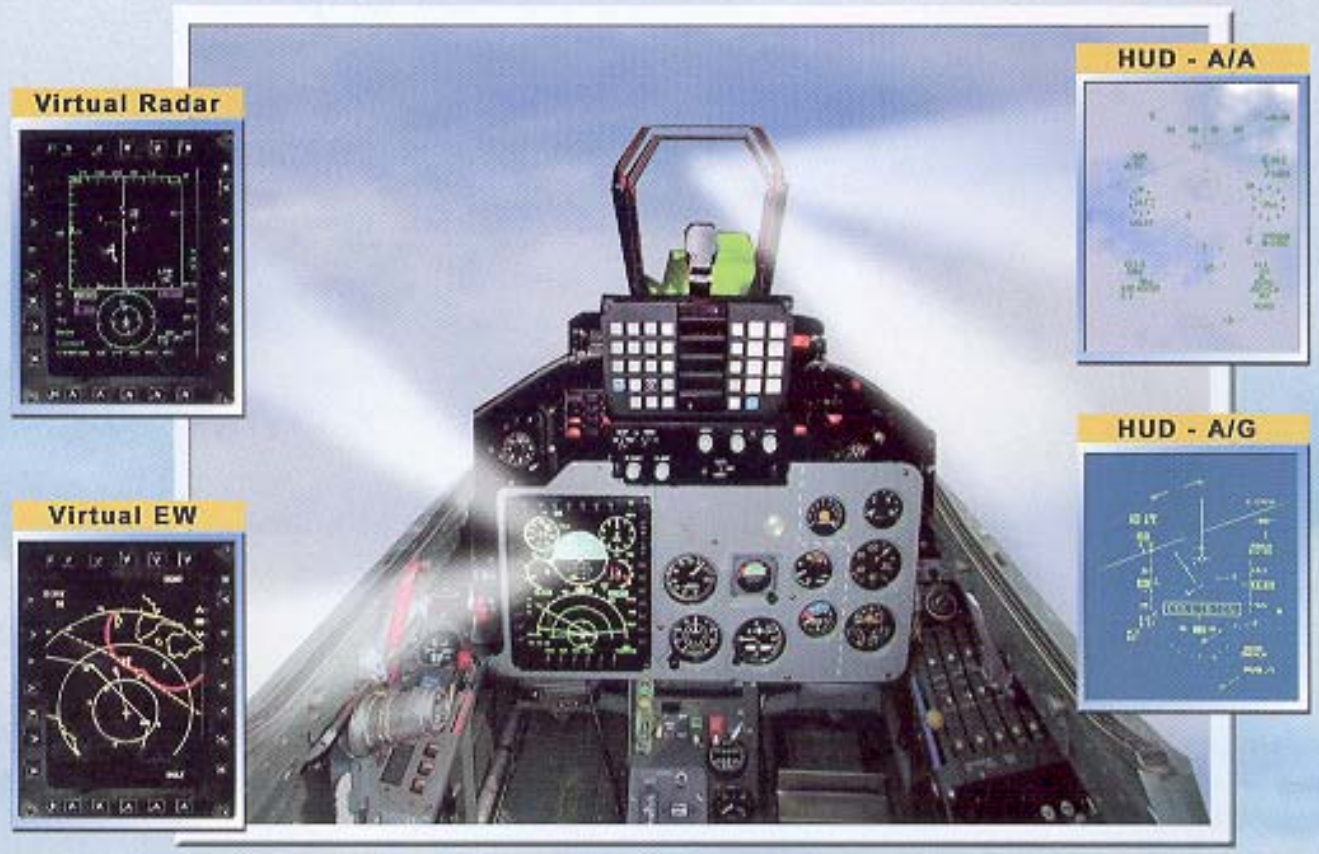
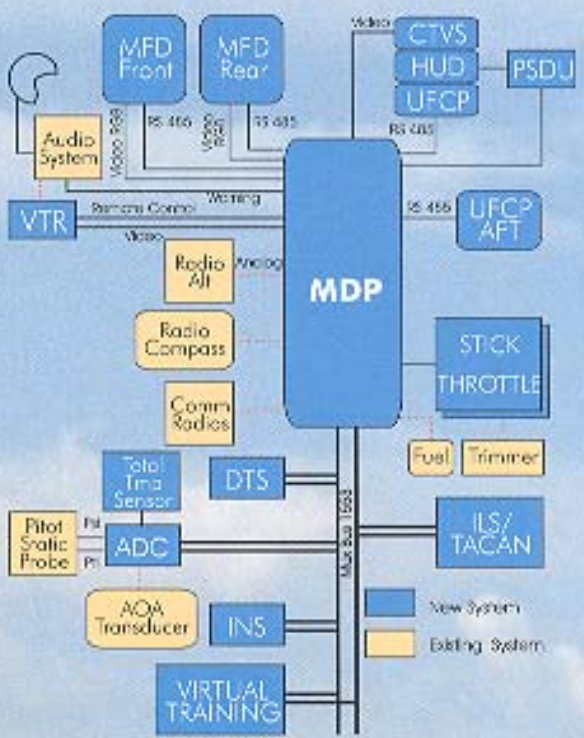


Avionics Block Diagram



Virtual Training

- Virtual radar with simulated A/A, A/G and EW environments
- No-drop bomb scoring & A/A scoring
- Full debriefing capability
- Enhanced safety with:
  - A/A collision alert
  - CFIT warning

Light Attack Capability

The Upgraded L-39 Weapons Delivery & Navigation System features:

- Accurate navigation (100 meters)
- Precise weapons delivery in visual & non-visual modes (CCIP, Auto)

The affordable and highly reliable Upgraded L-39, together with additional Lahav-supplied training aids, such as the Pilot Evaluation System (PES), Mission Planning & Debriefing System (MPDS) and Avionics Simulator, provides a cost-effective solution for training the pilots of tomorrow.

Pilot Evaluation System (PES)

Mission Planning & Debriefing System (MPDS)

Avionics Simulator

THE UPGRADE TEAM

LAHAV DIVISION is a world leader in military aircraft avionics upgrading:
- Proven risk-free systems
- Advanced avionics & training features
- Open architecture to tailor upgrade to specific customer requirements & provide future growth potential
- Past trainer upgrades: USAF T-38, Spanish F-5B, and more

AVIRS is an authorized & active L-39 maintenance center with comprehensive facilities:
- Design authority
- Extensive L-39 experience
- Availability of surplus L-39s
- Overhaul & upgrade of MiG-21, MiG-23, MiG-27, and L-39
- Engines & components overhaul: R-11, R-13, R-25, R-25SH, KSA2(3)

MOTOR SICH is world renowned for its aircraft engines production:
- 55 types of fuel-efficient & reliable engines for 61 fixed & rotary wing aircraft in 105 countries
- Development & manufacture of new aircraft engines

PROGRESS is prominent in aircraft engines components:
- Design, manufacture, testing, development, certification & repair
- Over 30 modifications of 42 engine types in 80 countries

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